

PM TRADE – 2014 Vision

Based on anticipated challenges facing the U.S. Army, this is the vision of Project Manager Training Devices (PM TRADE) for 2014. Years of war, service, and sacrifice have shaped the U.S. Army from a division-centric force to a brigade-centric force that is more agile, adaptable, and lethal than ever before. These agile forces are regionally focused and the Army has shifted priorities from Central Command to Pacific Command. Even as we face shrinking defense budgets, our Army remains prepared to operate and succeed in any operational environment (OE).

Live Training provides the foundation to modernize Army training in support of this more deployable, sustainable, and information-age enabled force. Live Training capabilities are standard at the Army's home stations, training centers, and complexes and offer an integrated mix of system and non-system live, virtual, constructive, and gaming training aids, devices, simulators, and simulations (TADSS). All live training systems are designed to enable trainers to deliver valuable after action reviews that capture force-on-force and/or force-on-target actions and outcomes that lead to higher order learning for Soldiers preparing for deployments/contingency operations.

The men and women of PM TRADE are proud of the organization's 40-year legacy of delivering cutting-edge training devices to our Army and embracing the challenges of this new era in Army training. Enabling our Soldiers' Training to fight and win through realistic training devices is our Purpose. This purpose and our rich history are evident as you walk through our renovated office space. Soldiers training and in combat are visible throughout the area. The TRADE Legacy Wall depicts our contributions to Army Training since 1974 and the TRADE Super Trainer Wall prominently displays the people and teams that have been recognized as leaders in training. Initiative and new ideas from every level of our team are key to our success and the latest ideas are depicted on our TRADE Innovation Wall. While the workforce has retained a matrix organization supported by military, DA Civilians, and SETA contractors, everyone feels a deep sense of satisfaction and pride in delivering realistic training solutions.

Team Live Training – a unique collaboration between PM TRADE and the Training and Doctrine Command (TRADOC) Capability Manager for Live (TCM-Live) – is at the forefront of providing Live Training initiatives for the Army and across the Joint Services. Together, we are leveraging the Live, Virtual and Constructive Integrated Training Environment (LVC-ITE) to enhance Live Training as the capstone training event to prepare our Soldiers for the challenges they will face on the modern battlefield.

In Support of the Nation's Mission

Team Live Training is the premier provider of realistic training environments and equipment in support of Decisive Action Operations.

Replicating the complexities of OEs – from unstable peace and insurgency to general war – is key to the success of Live Training. No other training domain brings Soldiers closer to the heart-pumping excitement, physical activity, and hands-on involvement of actual boots on the ground.

- Soldiers who go through our training resoundingly state that NO OTHER training brings them closer to the heart pumping excitement... of boots on the ground in Live training.

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- The LT2 Portal successfully introduced a “Trainer Feedback” option that Training leaders at installations and combat training centers use regularly. These leaders know their PM TRADE counterparts, provide regular feedback on fielded training systems, and give TRADE a Net Promoter Score (NPS) of 7 or higher (on a scale of 1-10).
- Army leaders within Training Support Systems (DOT, CAC-T, G3 FORSCOM, CTC CGs, DAMO-TR MDEP managers) trust PM TRADE to deliver training capabilities that enable Decisive Action and give TRADE a NPS of 7 or higher.
- Live Training events provide cause-effect feedback, unique, dynamic, and real experiences, yielding improved mission readiness.
- Partnership agreements between PM TRADE, weapon system PMs, RDECOM, and USMC PM TRASYS have resulted in accurately defined requirements, better products, and faster, more cost-effective acquisition.

Do More with No More

Live Training is a high value option that efficiently increases survivability and enhances Soldier effectiveness.

At Team Live Training, we are in the business of training Soldiers and growing leaders by providing responsive, interoperable training solutions using the most cost-efficient acquisition methods available. Live Training, which layers the virtual and constructive baseline training capabilities within the live environment, is the key enabler for the force as installations and units continue to compete for precious training resources.

- The Live Training Architecture and Systems Engineering is in-process and links data from fielded training systems to emerging development and system/software configuration management, enabling near real-time improvements to our Live Training systems.
- The Live Training Transformation (LT2) Product Line has transitioned to a 2nd Generation product line and achieved more than \$540M in cost avoidance and an Efficiency Factor (EF) of 1.2 (on a scale of 1-5 where 1 is most efficient). This transition has been published in several publications.
- PM TRADE has a broad customer base with over 50 percent revenue from allied/coalition nations, the U.S. Army Reserve, the Joint Staff, and the National Guard.
- Annually, more than \$150M revenue generated from foreign military sales and more than \$100M from other U.S. organizations helps to offset U.S. Army budget reductions in training while continuing to advance training technologies and the industrial base.

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- Live Training TADSS are both enablers and systems under test/evaluation in support of the Net Integration Event (NIE) process at Fort Bliss that has significantly changed how we field “good enough” capabilities iteratively to our Soldiers. This has reduced test costs by more than 50% and stream-lined our requests for forces.

At Home and Abroad

Live Training provides the depth and flexibility to ensure a trained and ready force – it saves lives.

Live Training provides the relevant and real experience necessary to keep Soldiers engaged and energized across the readiness cycle – during peacetime, mobilization, mission rehearsal, and in-theatre during deployed military operations. At Live Training events, in which commanders can introduce appropriate levels of fidelity and uncertainty into training scenarios, it serves to reinforce Army adaptability, build quality training for its geographically dispersed modular forces, and tie training from the schoolhouse through home station training, the Maneuver CTCs, and the deployed areas of operation.

- Soldiers repeatedly state "Going through live training prepared me and may very well have saved my life".
- The Army is energized about the realistic and dynamic elements that Live Training adds to training events within the LVC-ITE reflected by stable funding across the Live product lines.
- We have fielded the Homestation Instrumentation Training System (HITS) at three LVC-Integrated Architecture (IA) sites and due to its recognized value to training, utilization rates are as high as 50%, causing future sites to request part-time use of HITS with I-MILES.
- The Sustainable Range Program (SRP) is viable – not only are most of the ranges fielded, but there is also a resourced plan to keep these valuable systems working through 2020.
- There is a synchronized modernization plan for the Maneuver Combat Training Centers (CTCs) that is closely integrated with annual sustainment and essential lifecycle procurement activities in support of the Army's CTC Master Plan.
- Team Live Training's agile acquisition process enables quick responses to evolving requirements and product fieldings completed on time over 75 percent of the time.
- We have developed the necessary Live Training standards and architectures so that New weapon systems like Ground Combat Vehicle (GCV), Squad as a Decisive Force, and other programs design and build training into the system to enable training and mission rehearsal while deployed.

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Technology + Human Element = Realistic Training

Live Training combines cutting-edge technology with fight or flight levels of engagement, engraining faster, instinctual behaviors and providing critical training feedback.

Technology continues to shape the face of modern warfare. As weapon systems and next-generation capabilities continue to evolve, a shift in training must evolve as well. Central to that evolution is the need to leverage science and technology initiatives and commercial IT advances to maintain high levels of training fidelity and to optimize training in a resource-constrained environment.

- Live Training provides the flexibility to capitalize on evolving technology and incorporate improved capabilities without sacrificing the human element so essential to successful realistic training.
- The LT2 Portal is the leading collaboration tool with over 50,000 subscribers and 100 collaboration sites.
- Shared requirements (within TRADE and across Army programs) are successfully captured and addressed in future training system acquisitions.
- Common standards promote industry innovation and competition and ensure Live Training systems remain relevant to evolving requirements, changing technology, and other emerging systems. These standards are adopted as part of the Common Operating Environment (COE).
- The LT2 Product Line architecture and applications have transformed to support distributed web-based services that incorporate innovative paradigms and technologies, including service orientation, cloud computing, and virtualization; allowing Training as a Service (TaaS) to better meet Army Enterprise Network and COE objectives.
- Continual engagements with Industry ensure currency with the latest technologies, and further help to shape technological advances to better meet Live Training requirements, needs, and gaps.

Why This is So Important

The men and women who serve and protect our Nation deserve the most effective, realistic training solutions to ensure they are prepared to meet the challenges of the 21st century. Live Training, and its ability to give Soldiers and other Forces the greatest potential to come home safely from conflict, is a non-negotiable capability for our Nation. As we move toward 2014, it is imperative that we provide a structure and environment where leadership thrives and deploying units are at an advanced state of readiness. Only Live Training can provide this. This is our goal, our commitment, and our promise to Soldiers.